

DERWENT-ACC-NO: 1975-06732W  
DERWENT-WEEK: 197504  
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TITLE: Granulating a composite fertiliser mixt. - by  
rapidly homogenising the  
molten slurry and solidifying droplets in a tower with air  
flow

PATENT-ASSIGNEE: MITSUI TOATSU CHEM INC[MITK]

PRIORITY-DATA: 1969JP-0015027 (March 1, 1969)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 74049116 B	December 25, 1974	
000	N/A	

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INT-CL (IPC): B01J002/04

ABSTRACTED-PUB-NO: JP74049116B

BASIC-ABSTRACT: A composite fertiliser in which the  
components are insol. on  
only partially soluble is mixed in the molten state by a  
pneumatic homogeniser  
revolving at 10,000-30,000 rev sec-1. The slurry is  
granulated by dropwise  
introduction to a hollow tower with a current of air. The  
prod is screened  
after cooling. The fertiliser may contain ammonium  
nitrate, urea potassium  
salts, phosphates, ammonium salts, and opt. herbicides and  
insecticides.

TITLE-TERMS:

GRANULE COMPOSITE FERTILISER MIXTURE RAPID HOMOGENISE  
MOLTEN SLURRY  
SOLIDIFICATION DROP TOWER AIR FLOW

DERWENT-CLASS: C04

CPI-CODES: C05-A01A; C05-B02A4; C05-C01; C10-A13C; C11-C05;  
C12-N09;

CHEMICAL-CODES:

Chemical Indexing M2 \*01\*

Fragmentation Code

K0 M320 M280 A940 C730 C108 C307 C803 C802 C807  
C805 C804 B720 C801 A119 C500 C510 B815 B819 B831  
B115 B701 B713 L431 L432 M620 N100 P113 P111 P112  
M510 M520 M530 M540 M740 M750 R031 R032 R033 R034  
R036 R038 R043 M411 M416 M417 M424 M902

UNLINKED-RING-INDEX-NUMBERS: 70104